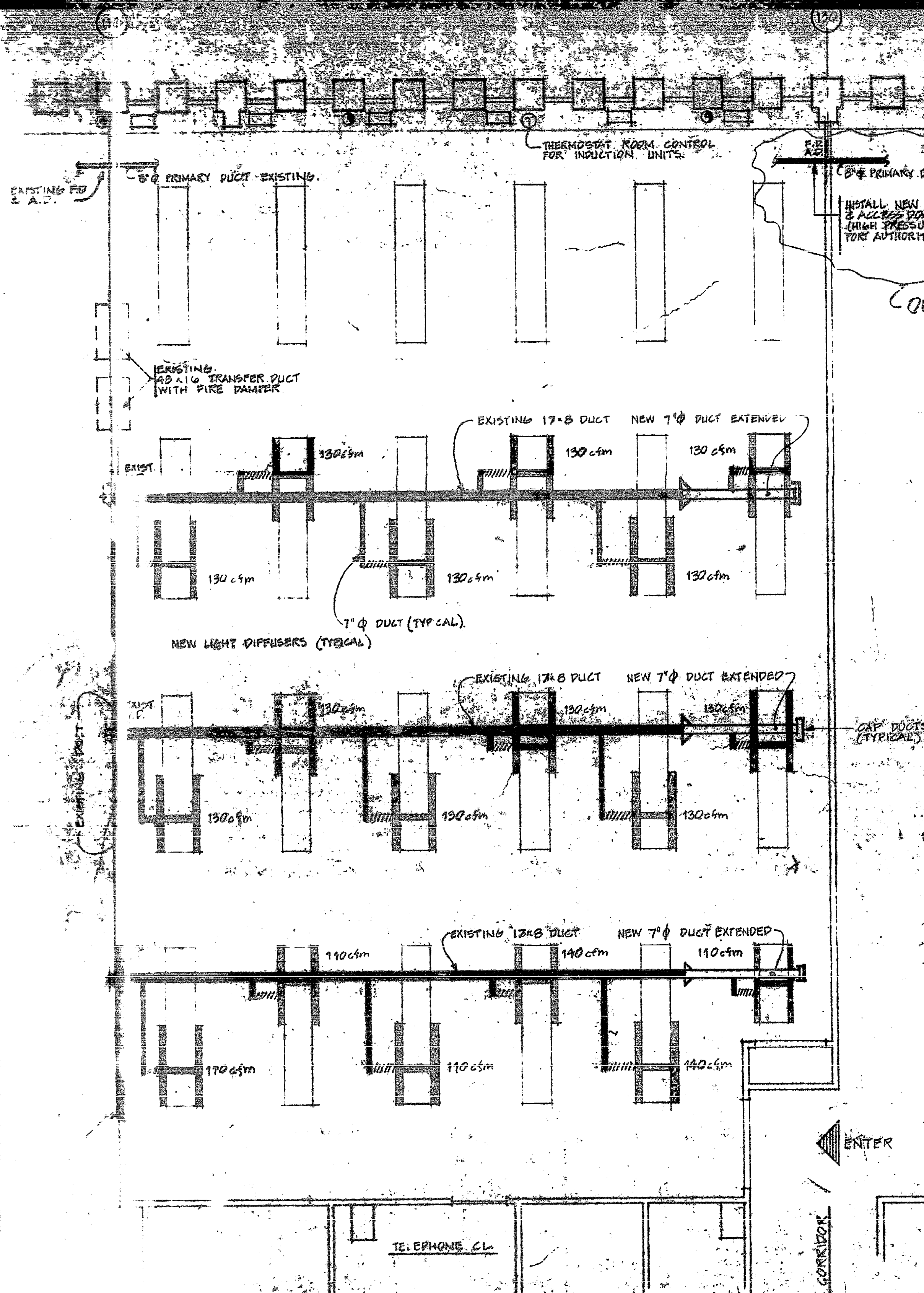


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ZANUSSI CORP OF AMERICA

M-1 M3 11/1/80



1. The Contractor shall submit the list of the proposed work to determine the existing conditions that may affect his work.
2. It is the intention of the Contractor Drawings and Specifications to call for finished work, cleaned and ready for operation. All materials shall be new and of first-quality work, unless otherwise specified.
3. All material, work, incidental accessories or other details not shown but necessary to complete the work complete and perfect, and in all respects ready for operation, shall be particularly specified, shall be provided by the Contractor at no additional cost to the Authority.
4. The Contractor Drawings are generally diagrammatic and are intended to convey the scope of work and indicate general arrangement of ductwork and pouches, and induction units.
5. If any existing ducts, pipes, utilities, etc. are damaged during the installation, whether or not due to the Contractor's negligence they shall be repaired or replaced by the Contractor and left in a condition satisfactory to the Engineer.
6. Coordinates locations of all pouches with architectural reflected ceiling plane.
7. The space around pipes, ducts, etc. penetrating rated walls, shall not exceed 4" and shall be packed solid with mineral wool or equivalent. Perimeter shall be closed off by tight fitting metal gaskets on both sides of this construction as required by Sections 905-100.2 of N.Y.C. Building Code.

#### MATERIALS FURNISHED BY THE AUTHORITY

The Port Authority will furnish to the Contractor for installation in the permanent construction: (SEE GENERAL NOTE 98 ON DRAWING A-1)

1. Light fixture air purifier - 10 DOUBLE
2. 4" round flexible duct connection - 10 DOUBLE

#### NOTES

1. All ductwork shall be provided and installed in accordance with the latest edition of the SMACNA Low-Velocity Duct Construction Standards Manual, using prime sheets of galvanized steel. All round diffusers shall be provided with spring valves on maximum 4" centers. Provide access doors at all fire and automatic dampers for access.
2. All transition and takeoffs shall be equipped with volume controllers.
3. Support horizontal ducts with hangers secured to structural steel above at intervals not exceeding 8'0".
4. Connections to collars on the supply duct and the diffuser plenum of ceiling pouches shall be sealed with 3M Co. 800 sealant and clamped with Stainless Steel Ideal Type 52 clamps.
5. All access doors shall be as per latest SMACNA Standards.
6. Remove existing 4" round flexible duct connection that penetrates the 2 hr. rated closure panel within the telegate unit cover. Install new 4" 16 gauge galvanized steel circular duct, seal all joints with 3M Co. 800 sealant and stainless steel clamps. A minimum length of 8'0" of the existing flexible ductwork will be permitted to make the connection to the induction unit.

#### REMARKS

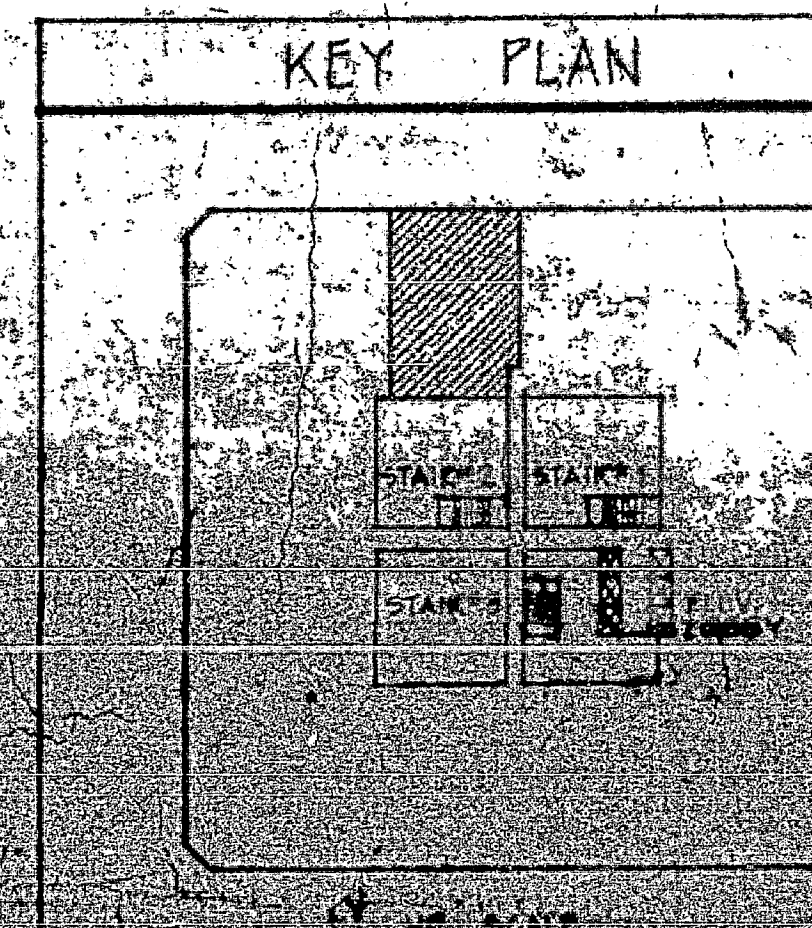
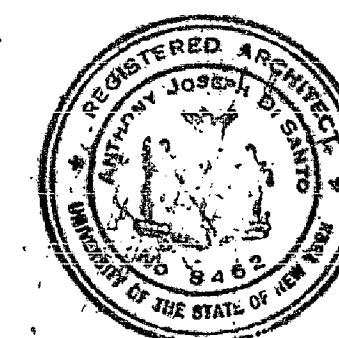
All systems shall be balanced in accordance with the latest standards of the "Associated Air Balance Council" and subject to the approval of the Engineer.

#### SUBMITTALS

Submit for approval three (3) sets of shop drawings of ductwork and details of fire dampers, transitions. Submitters (3) sets of catalog cuts of fire dampers, exhaust fan, ceiling diffusers, ceiling registers and air balancing data report.

NO.	DESCRIPTION
1	VOLUME DAMPER
2	EXISTING INDUCTION UNIT
3	NEW DUCTWORK
4	ROUND DUCT

RELEASED FOR BIDDING	
BY: <i>[Signature]</i>	DATE: 1/15/80
RELEASED FOR CONSTRUCTION	
BY: <i>[Signature]</i>	DATE: 2/28/80
MANAGER, WTC PLANNING DIVISION	



NO.	DATE	DESCRIPTION
1	1-18-80	OMITTED FIRE DAMPER & ACCESS DOOR, CHANGED RIGID DUCT TO FIBERGLASS
2	1-28-80	ADDED AUTO-FIRE DAMPER & ACCESS DOORS TO TRANSITION ALONG CORRIDOR
3	10-11-79	GENERAL REV. AS PER PORT AUTHORITY ENGR. COMMENTS DATED 9-20-79

REVISIONS	
ZANUSSI CORP. OF AMERICA	
ONE WORLD TRADE CENTER	
H.V.A.C. PLAN	
DI SANTO ARCHITECTS	
ARCHITECT - INTERIOR DESIGN	
FACILITIES AND OFFICE PLANNING	
180 CENTRAL PARK SO. NYC	
SCALE	DATE: 1-18-80
PROJECT NO.	FLOOR: 102